

Title (en)
DEVICE FOR TREATING WATER

Title (de)
VORRICHTUNG ZUM BEHANDELN VON WASSER

Title (fr)
DISPOSITIF POUR TRAITER DES EAUX

Publication
EP 1250289 A2 20021023 (DE)

Application
EP 01905684 A 20010124

Priority

- DE 10002977 A 20000124
- DE 10004675 A 20000203
- DE 10050489 A 20001011
- EP 0100781 W 20010124

Abstract (en)
[origin: US2003127398A1] The invention concerns a device for anti-bacterial treatment in particular decontamination and/or sterilisation of water and for killing micro-organisms in water, with a container designed to hold a water quantity intended to be treated and an electrode arrangement which is designed to act on the water quantity in the container and which can be connected and operated with an electrical signal generating device provided outside the container, where the electrical signal generating device can be operated at low voltage and is intended to generate an electrical alternating signal between electrodes of the electrode arrangement with a maximum amplitude <50 V and a signal frequency in the range between 1 and 5000 kHz, in particular 5 to 50 kHz, where the signal generating device has adjustment means which are designed for automatic changing of a maximum amplitude, an amplitude stroke and/or a signal/pause ratio of the alternating signal as a function of conductance value of the water quantity.

IPC 1-7
C02F 1/00

IPC 8 full level
C02F 1/461 (2006.01); **C02F 1/467** (2006.01); **C02F 1/48** (2006.01); **C02F 1/00** (2006.01); **C02F 1/20** (2006.01); **C02F 1/28** (2006.01); **C02F 9/00** (2006.01); **G01N 27/08** (2006.01); **G01N 33/18** (2006.01)

CPC (source: EP US)
C02F 1/46104 (2013.01 - EP US); **C02F 1/467** (2013.01 - EP US); **C02F 1/48** (2013.01 - EP US); **C02F 1/001** (2013.01 - EP US); **C02F 1/20** (2013.01 - EP US); **C02F 1/283** (2013.01 - EP US); **C02F 9/00** (2013.01 - EP US); **C02F 2001/007** (2013.01 - EP US); **C02F 2101/16** (2013.01 - EP US); **C02F 2101/20** (2013.01 - EP US); **C02F 2201/4611** (2013.01 - EP US); **C02F 2201/46125** (2013.01 - EP US); **C02F 2201/4613** (2013.01 - EP US); **C02F 2201/4615** (2013.01 - EP US); **C02F 2201/46165** (2013.01 - EP US); **C02F 2201/46175** (2013.01 - EP US); **C02F 2209/05** (2013.01 - EP US); **C02F 2303/04** (2013.01 - EP US); **G01N 27/08** (2013.01 - EP US); **G01N 33/18** (2013.01 - EP US)

Citation (search report)
See references of WO 0155035A2

Cited by
DE102007006404A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2003127398 A1 20030710; **US 6860990 B2 20050301**; AT E296262 T1 20050615; AU 3370701 A 20010807; AU 770506 B2 20040226; BR 0108037 A 20030128; BR 0108037 B1 20100908; CA 2398124 A1 20010802; CA 2398124 C 20090217; CZ 20022559 A3 20031015; CZ 300983 B6 20090930; EP 1250289 A2 20021023; EP 1250289 B1 20050525; ES 2243446 T3 20051201; MX PA02007193 A 20040730; PL 202453 B1 20090630; PL 364982 A1 20041227; WO 0155035 A2 20010802; WO 0155035 A3 20011220

DOCDB simple family (application)
US 18222702 A 20021029; AT 01905684 T 20010124; AU 3370701 A 20010124; BR 0108037 A 20010124; CA 2398124 A 20010124; CZ 20022559 A 20010124; EP 0100781 W 20010124; EP 01905684 A 20010124; ES 01905684 T 20010124; MX PA02007193 A 20010124; PL 36498201 A 20010124